

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/613,472A
Source: 1FW/6
Date Processed by STIC: 6/28/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 06/28/2005

PATENT APPLICATION: US/10/613,472A

TIME: 08:59:25

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\06282005\J613472A.raw

4 <110> APPLICANT: Ausubel, Frederick M.
 5 Staskawicz, Brian J.
 6 Brent, Andrew F.
 7 Dahlbeck, Douglas
 8 Katagiri, Fumiaki
 9 Kunkel, Barbara N.
 10 Mindrinos, Michael N.
 11 Yu, Guo-Liang
 13 <120> TITLE OF INVENTION: RPS2 GENE FAMILY, PRIMERS, PROBES, AND
 14 DETECTION METHODS
 17 <130> FILE REFERENCE: 00786/254004
 19 <140> CURRENT APPLICATION NUMBER: US 10/613,472A
 20 <141> CURRENT FILING DATE: 2003-07-02
 22 <150> PRIOR APPLICATION NUMBER: US 09/867,852
 23 <151> PRIOR FILING DATE: 2001-05-29
 25 <150> PRIOR APPLICATION NUMBER: US 09/310,912
 26 <151> PRIOR FILING DATE: 1994-09-22
 28 <150> PRIOR APPLICATION NUMBER: US 09/301,085
 29 <151> PRIOR FILING DATE: 1999-04-28
 31 <150> PRIOR APPLICATION NUMBER: US 08/227,360
 32 <151> PRIOR FILING DATE: 1994-04-13
 34 <160> NUMBER OF SEQ ID NOS: 217
 36 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 38 <210> SEQ ID NO: 1
 39 <211> LENGTH: 2903
 40 <212> TYPE: DNA
 41 <213> ORGANISM: Arabidopsis thaliana
 43 <400> SEQUENCE: 1
 44 aagtaaaaga aagagcgaga aatcatcgaa atggatttca tctcatctct tatcggtggc 60
 45 tgtgctcagg tggtgtgtga atctatgaat atggcggaga gaagaggaca taagactgat 120
 46 cttagacaag ccatcactga tcttgaaaca gccatcggtg acttgaaggc catactgat 180
 47 gacctgactt tacggatcca acaagacggt ctagaggac gaagctgctc aaatcgtgcc 240
 48 agagagtggc ttagtgcggt gcaagtaacg gagactaaaa cagccctact tttagtgagg 300
 49 tttaggcgctc gggaacagag gacgcgaatg aggaggagat acctcagttg tttcggttgt 360
 50 gccgactaca aactgtgcaa gaaggtttct gccatattga agagcattgg tgagctgaga 420
 51 gaacgctctg aagctatcaa aacagatggc ggggtcaattc aagtaacttg tagagagata 480
 52 cccatcaagt ccgttgctcg aaataaccag atgatggaac aggttttgga atttctcagt 540
 53 gaagaagaag aaagaggaat cattggtggt tatggacctg gtgggggttg gaagacaacg 600
 54 ttaatgcaga gcattaacaa cgagctgatc acaaaaggac atcagtatga tgtactgatt 660
 55 tggggttcaaa tgtccagaga attcggcgag tgtacaattc agcaagccgt tggagcacgg 720
 56 ttgggtttat cttgggacga gaaggagacc ggcgaaaaca gagctttgaa gatatacaga 780
 57 gctttgagac agaaacgttt cttgttggtg ctagatgatg tctgggaaga gatagacttg 840
 58 gagaaaactg gagttcctcg acctgacagg gaaaacaaat gcaaggtgat gttcacgaca 900

P.6

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59 cggtctatag cattatgcaa caatatgggt gcggaataca agttgagagt ggagtttctg 960
60 gagaagaaac acgcgtggga gctgttctgt agtaaggat ggagaaaaga tcttttagag 1020
61 tcatcatcaa ttcgccggct cgcggagatt atagttagta aatgtggagg attgccacta 1080
62 gcgttgatca ctttaggagg agccatggct catagagaga cagaagaaga gtggatccat 1140
63 gctagtgaag ttctgactag atttccagca gagatgaagg gtatgaacta tgtatttgcc 1200
64 cttttgaaat tcagctacga caacctcgag agtgatctgc ttcggtcttg tttcttgtag 1260
65 tgcgctttat tcccagaaga acattctata gagatcgagc agcttgttga gtactgggtc 1320
66 ggcgaagggt ttctcaccag ctcccatggc gttaacacca ttacaaggg atattttctc 1380
67 attggggatc tgaaagcggc atgtttgttg gaaaccggag atgagaaaac acagggtgaag 1440
68 atgcataatg tggtcagaag ctttgcattg tggatggcat ctgaacaggg gacttataag 1500
69 gagctgatcc tagttgagcc tagcatggga cactactgaag ctctaaagc agaaaactgg 1560
70 cgacaagcgt tggatgatctc attgttagat aacagaatcc agaccttgcc tgaaaaactc 1620
71 atatgcccga aactgacaac actgatgctc caacagaaca gctctttgaa gaagattcca 1680
72 acagggtttt tcatgcatat gcctgttctc agagtcttg acttgctggt cacaagtatc 1740
73 actgagattc cgttgtctat caagtatttg gtggagttgt atcatctgct tatgtcagga 1800
74 acaaagataa gtgtattgcc acaggagctt gggaaactta gaaaactgaa gcatctggac 1860
75 ctacaaagaa ctgagtttct tcagacgatc ccacgagatg ccatatgttg gctgagcaag 1920
76 ctcgaggttc tgaacttgta ctacagttac gccggttggg aactgcagag ctttggagaa 1980
77 gatgaagcag aagaactcgg attcgtctgac ttggaatact tggaaaacct aaccacactc 2040
78 ggtatcactg ttctctcatt ggagacccta aaaactctct tcgagttcgg tgctttgcat 2100
79 aaacatatat agcatctcca cgttgaagag tgcaatgaac tcctctactt caatctccca 2160
80 tcatcacta accatggcag gaacctgaga agacttagca ttaaaagttg ccatgacttg 2220
81 gagtacctgg tcacaccgc agattttgaa aatgattggc ttccgagtct agaggttctg 2280
82 acgttacaca gccttcacaa cttaaccaga gtgtggggaa attctgtaag ccaagattgt 2340
83 ctgcggaata tccgttgcat aaacatttca cactgcaaca agctgaagaa tgtctcatgg 2400
84 gttcagaaac tcccaaagct agagggtgatt gaactgttcg actgcagaga gatagaggaa 2460
85 ttgataagcg aacacgagag tccatccgtc gaagatccaa cattgttccc aagcctgaag 2520
86 accttgagaa ctagggatct gccagaacta aacagcatcc tcccatctcg attttcattc 2580
87 caaaaagttg aaacattagt catcacaat tgccccagag ttaagaaact gccgtttcag 2640
88 gagaggagga cccagatgaa cttgccaaca gtttattgtg aggagaaatg gtggaaagca 2700
89 ctggaaaaag atcaaccaa cgaagagctt tggtatttac cgcgctttgt tccaaattga 2760
90 tataagagct aagagcactc tgtacaaata tgtccattca taagtagcag gaagccagga 2820
91 aggttggtcc agtgaagtca tcaactttcc acatagccac aaaactagag attatgtaat 2880
92 cataaaaacc aaactatccg cga 2903

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94 <210> SEQ ID NO: 2

95 <211> LENGTH: 885

96 <212> TYPE: PRT

97 <213> ORGANISM: Arabidopsis thaliana

99 <400> SEQUENCE: 2

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100 Lys Lys Glu Arg Glu Ile Ile Glu Met Asp Phe Ile Ser Ser Leu Ile
101 1 5 10 15
102 Val Gly Cys Ala Gln Val Leu Cys Glu Ser Met Asn Met Ala Glu Arg
103 20 25 30
104 Arg Gly His Lys Thr Asp Leu Arg Gln Ala Ile Thr Asp Leu Arg Ile
105 35 40 45
106 Gln Gln Asp Gly Leu Glu Gly Arg Ser Cys Ser Asn Arg Ala Arg Glu
107 50 55 60
108 Trp Leu Ser Ala Val Gln Val Thr Glu Thr Lys Thr Ala Leu Leu Leu
109 65 70 75 80

```

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110	Val	Arg	Phe	Arg	Arg	Arg	Glu	Gln	Arg	Thr	Arg	Met	Arg	Arg	Arg	Tyr
111					85					90					95	
112	Leu	Ser	Cys	Phe	Gly	Cys	Ala	Asp	Tyr	Lys	Leu	Cys	Lys	Lys	Val	Ser
113				100					105						110	
114	Ala	Ile	Leu	Lys	Ser	Ile	Gly	Glu	Leu	Arg	Glu	Arg	Ser	Glu	Ala	Ile
115			115					120						125		
116	Lys	Thr	Asp	Gly	Gly	Ser	Ile	Gln	Val	Thr	Cys	Arg	Glu	Ile	Pro	Ile
117		130					135						140			
118	Lys	Ser	Val	Val	Gly	Asn	Thr	Thr	Met	Met	Glu	Gln	Val	Leu	Glu	Phe
119	145					150					155					160
120	Leu	Ser	Glu	Glu	Glu	Glu	Arg	Gly	Ile	Ile	Gly	Val	Tyr	Gly	Pro	Gly
121					165					170					175	
122	Gly	Val	Gly	Lys	Thr	Thr	Leu	Met	Gln	Ser	Ile	Asn	Asn	Glu	Leu	Ile
123				180					185					190		
124	Thr	Lys	Gly	His	Gln	Tyr	Asp	Val	Leu	Ile	Trp	Val	Gln	Met	Ser	Arg
125			195				200						205			
126	Glu	Phe	Gly	Glu	Cys	Thr	Ile	Gln	Gln	Ala	Val	Gly	Ala	Arg	Leu	Gly
127		210					215						220			
128	Leu	Ser	Trp	Asp	Glu	Lys	Glu	Thr	Gly	Glu	Asn	Arg	Ala	Leu	Lys	Ile
129	225					230					235					240
130	Tyr	Arg	Ala	Leu	Arg	Gln	Lys	Arg	Phe	Leu	Leu	Leu	Leu	Asp	Asp	Val
131				245					250					255		
132	Trp	Glu	Glu	Ile	Asp	Leu	Glu	Lys	Thr	Gly	Val	Pro	Arg	Pro	Asp	Arg
133				260					265					270		
134	Glu	Asn	Lys	Cys	Lys	Val	Met	Phe	Thr	Thr	Arg	Ser	Ile	Ala	Leu	Cys
135			275					280					285			
136	Asn	Asn	Met	Gly	Ala	Glu	Tyr	Lys	Leu	Arg	Val	Glu	Phe	Leu	Glu	Lys
137		290					295					300				
138	Lys	His	Ala	Trp	Glu	Leu	Phe	Cys	Ser	Lys	Val	Trp	Arg	Lys	Asp	Leu
139	305					310					315					320
140	Leu	Glu	Ser	Ser	Ser	Ile	Arg	Arg	Leu	Ala	Glu	Ile	Ile	Val	Ser	Lys
141				325						330					335	
142	Cys	Gly	Gly	Leu	Pro	Leu	Ala	Leu	Ile	Thr	Leu	Gly	Gly	Ala	Met	Ala
143				340					345					350		
144	His	Arg	Glu	Thr	Glu	Glu	Glu	Trp	Ile	His	Ala	Ser	Glu	Val	Leu	Thr
145			355					360					365			
146	Arg	Phe	Pro	Ala	Glu	Met	Lys	Gly	Met	Asn	Tyr	Val	Phe	Ala	Leu	Leu
147		370					375						380			
148	Lys	Phe	Ser	Tyr	Asp	Asn	Leu	Glu	Ser	Asp	Leu	Leu	Arg	Ser	Cys	Phe
149	385					390					395					400
150	Leu	Tyr	Cys	Ala	Leu	Phe	Pro	Glu	Glu	His	Ser	Ile	Glu	Ile	Glu	Gln
151				405						410					415	
152	Leu	Val	Glu	Tyr	Trp	Val	Gly	Glu	Gly	Phe	Leu	Thr	Ser	Ser	His	Gly
153			420						425					430		
154	Val	Asn	Thr	Ile	Tyr	Lys	Gly	Tyr	Phe	Leu	Ile	Gly	Asp	Leu	Lys	Ala
155			435					440					445			
156	Ala	Cys	Leu	Leu	Glu	Thr	Gly	Asp	Glu	Lys	Thr	Gln	Val	Lys	Met	His
157		450					455					460				
158	Asn	Val	Val	Arg	Ser	Phe	Ala	Leu	Trp	Met	Ala	Ser	Glu	Gln	Gly	Thr

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159	465					470					475					480
160	Tyr	Lys	Glu	Leu	Ile	Leu	Val	Glu	Pro	Ser	Met	Gly	His	Thr	Glu	Ala
161					485					490					495	
162	Pro	Lys	Ala	Glu	Asn	Trp	Arg	Gln	Ala	Leu	Val	Ile	Ser	Leu	Leu	Asp
163				500					505					510		
164	Asn	Arg	Ile	Gln	Thr	Leu	Pro	Glu	Lys	Leu	Ile	Cys	Pro	Lys	Leu	Thr
165			515					520				525				
166	Thr	Leu	Met	Leu	Gln	Gln	Asn	Ser	Ser	Leu	Lys	Lys	Ile	Pro	Thr	Gly
167		530					535					540				
168	Phe	Phe	Met	His	Met	Pro	Val	Leu	Arg	Val	Leu	Asp	Leu	Ser	Phe	Thr
169	545					550				555					560	
170	Ser	Ile	Thr	Glu	Ile	Pro	Leu	Ser	Ile	Lys	Tyr	Leu	Val	Glu	Leu	Tyr
171					565					570					575	
172	His	Leu	Ser	Met	Ser	Gly	Thr	Lys	Ile	Ser	Val	Leu	Pro	Gln	Glu	Leu
173				580						585				590		
174	Gly	Asn	Leu	Arg	Lys	Leu	Lys	His	Leu	Asp	Leu	Gln	Arg	Thr	Gln	Phe
175		595						600					605			
176	Leu	Gln	Thr	Ile	Pro	Arg	Asp	Ala	Ile	Cys	Trp	Leu	Ser	Lys	Leu	Glu
177		610					615					620				
178	Val	Leu	Asn	Leu	Tyr	Tyr	Ser	Tyr	Ala	Gly	Trp	Glu	Leu	Gln	Ser	Phe
179	625					630					635				640	
180	Gly	Glu	Asp	Glu	Ala	Glu	Glu	Leu	Gly	Phe	Ala	Asp	Leu	Glu	Tyr	Leu
181					645					650					655	
182	Glu	Asn	Leu	Thr	Thr	Leu	Gly	Ile	Thr	Val	Leu	Ser	Leu	Glu	Thr	Leu
183				660						665				670		
184	Lys	Thr	Leu	Phe	Glu	Phe	Gly	Ala	Leu	His	Lys	His	Ile	Gln	His	Leu
185			675					680					685			
186	His	Val	Glu	Glu	Cys	Asn	Glu	Leu	Leu	Tyr	Phe	Asn	Leu	Pro	Ser	Leu
187		690					695					700				
188	Thr	Asn	His	Gly	Arg	Asn	Leu	Arg	Arg	Leu	Ser	Ile	Lys	Ser	Cys	His
189	705					710					715				720	
190	Asp	Leu	Glu	Tyr	Leu	Val	Thr	Pro	Ala	Asp	Phe	Glu	Asn	Asp	Trp	Leu
191					725					730					735	
192	Pro	Ser	Leu	Glu	Val	Leu	Thr	Leu	His	Ser	Leu	His	Asn	Leu	Arg	Cys
193				740						745				750		
194	Ile	Asn	Ile	Ser	His	Cys	Asn	Lys	Leu	Lys	Asn	Val	Ser	Trp	Val	Gln
195				755					760					765		
196	Lys	Leu	Pro	Lys	Leu	Glu	Val	Ile	Glu	Leu	Phe	Asp	Cys	Arg	Glu	Ile
197		770						775				780				
198	Glu	Glu	Leu	Ile	Ser	Glu	His	Glu	Ser	Pro	Ser	Val	Glu	Asp	Pro	Thr
199	785					790					795				800	
200	Leu	Phe	Pro	Ser	Leu	Lys	Thr	Leu	Arg	Thr	Arg	Asp	Leu	Pro	Glu	Leu
201					805					810					815	
202	Asn	Ser	Ile	Leu	Pro	Ser	Arg	Phe	Ser	Phe	Gln	Lys	Val	Glu	Thr	Leu
203				820						825				830		
204	Val	Ile	Thr	Asn	Cys	Pro	Arg	Val	Lys	Lys	Leu	Pro	Phe	Gln	Glu	Arg
205			835					840					845			
206	Arg	Thr	Gln	Met	Asn	Leu	Pro	Thr	Val	Tyr	Cys	Glu	Glu	Lys	Trp	Trp
207		850					855					860				

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208 Lys Ala Leu Glu Lys Asp Gln Pro Asn Glu Glu Leu Cys Tyr Leu Pro
209 865                               870                               875                               880
210 Arg Phe Val Pro Asn
211                               885
214 <210> SEQ ID NO: 3
215 <211> LENGTH: 20
216 <212> TYPE: PRT
217 <213> ORGANISM: Arabidopsis thaliana
219 <400> SEQUENCE: 3
220 Glu His Ser Val Gln Ile Cys Pro Phe Ile Ser Ser Arg Lys Pro Gly
221 1                               5                               10                               15
222 Arg Leu Phe Gln
223                               20
226 <210> SEQ ID NO: 4
227 <211> LENGTH: 6
228 <212> TYPE: PRT
229 <213> ORGANISM: Arabidopsis thaliana
231 <400> SEQUENCE: 4
232 Ser His Gln Leu Ser Thr
233 1                               5
236 <210> SEQ ID NO: 5
237 <211> LENGTH: 11
238 <212> TYPE: PRT
239 <213> ORGANISM: Arabidopsis thaliana
241 <400> SEQUENCE: 5
242 Arg Leu Cys Asn His Lys Asn Gln Thr Ile Arg
243 1                               5                               10
246 <210> SEQ ID NO: 6
247 <211> LENGTH: 28
248 <212> TYPE: PRT
249 <213> ORGANISM: Arabidopsis thaliana
251 <400> SEQUENCE: 6
252 Ser Lys Arg Lys Ser Glu Lys Ser Ser Lys Trp Ile Ser Ser His Leu
253 1                               5                               10                               15
254 Leu Ser Leu Ala Val Leu Arg Cys Cys Val Asn Leu
255                               20                               25
258 <210> SEQ ID NO: 7
259 <211> LENGTH: 25
260 <212> TYPE: PRT
261 <213> ORGANISM: Arabidopsis thaliana
263 <400> SEQUENCE: 7
264 Ile Trp Arg Arg Glu Glu Asp Ile Arg Leu Ile Leu Asp Lys Pro Ser
265 1                               5                               10                               15
266 Leu Ile Leu Lys Gln Pro Ser Val Thr
267                               20                               25
270 <210> SEQ ID NO: 8
271 <211> LENGTH: 6
272 <212> TYPE: PRT
273 <213> ORGANISM: Arabidopsis thaliana

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/613,472A

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Input Set : A:\Seqlist.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:158; N Pos. 3,9,12,13,15,18,24
Seq#:159; N Pos. 1,4,7,10,16,19
Seq#:160; N Pos. 4
Seq#:161; N Pos. 1,4,7,10,16,19,21,22,25,28,31
Seq#:162; N Pos. 3,6,9,12,13,15,18,24
Seq#:164; N Pos. 15
Seq#:165; N Pos. 4,13,16,19,21,22,25
Seq#:166; N Pos. 3,9,12,13,15,18,21
Seq#:167; N Pos. 1,4,7,10,16,19
Seq#:168; N Pos. 1,4,7,10,20
Seq#:169; N Pos. 1,4,7,10
Seq#:171; N Pos. 15
Seq#:172; N Pos. 1,3,4,7,10,13,16,19,22
Seq#:173; N Pos. 3,6,9,12,15
Seq#:175; N Pos. 3,6,12,15,17,18
Seq#:176; N Pos. 3,9,15,18
Seq#:177; N Pos. 3,9,12
Seq#:178; N Pos. 3,18
Seq#:179; N Pos. 3,6,15
Seq#:180; N Pos. 7,16
Seq#:181; N Pos. 6,15
Seq#:182; N Pos. 12,15
Seq#:183; N Pos. 12,15
Seq#:184; N Pos. 1,4,10
Seq#:185; N Pos. 3,9,15
Seq#:186; N Pos. 7,10,13,16,19
Seq#:187; N Pos. 3,6,9,12,15
Seq#:191; Xaa Pos. 2,3,5,10,11
Seq#:192; Xaa Pos. 1,2,3,5,6,7,10,11
Seq#:193; Xaa Pos. 1,2,3,4,5,7
Seq#:194; Xaa Pos. 5,6,7,8
Seq#:195; Xaa Pos. 1,2,5,6
Seq#:202; Xaa Pos. 5
Seq#:203; Xaa Pos. 5
Seq#:204; Xaa Pos. 4,5,6
Seq#:206; Xaa Pos. 3,7
Seq#:209; Xaa Pos. 2,3,4,5,6,8,9,11,12,14,15,16,17,18,19,20,21,22,23
Seq#:210; Xaa Pos. 2,3,4,5,6,8,9,11,12,14,16,17,19,20,21,22,23
Seq#:211; Xaa Pos. 1,2,3,5,6,8,9,10,11
Seq#:212; Xaa Pos. 1,2,5,6,7

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L:2075 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (137) SEQUENCE:
L:2568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:0
L:2581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:159 after pos.:0
L:2594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:0
L:2607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161 after pos.:0
L:2620 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:162 after pos.:0
L:2641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:164 after pos.:0
L:2654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:0
L:2667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:166 after pos.:0
L:2680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:167 after pos.:0
L:2693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:168 after pos.:0
L:2706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:169 after pos.:0
L:2727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:0
L:2740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:172 after pos.:0
L:2753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173 after pos.:0
L:2774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:0
L:2787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:0
L:2800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:0
L:2813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178 after pos.:0
L:2826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179 after pos.:0
L:2839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:180 after pos.:0
L:2852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181 after pos.:0
L:2865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:182 after pos.:0
L:2878 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:0
L:2891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184 after pos.:0
L:2904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:185 after pos.:0
L:2917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:186 after pos.:0
L:2930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187 after pos.:0
L:2976 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:191
L:2980 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:191
L:2984 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:191
L:2988 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:191
L:2989 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:0
L:3007 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:192
L:3011 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:192
L:3015 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:192
L:3019 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:192
L:3023 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:192
L:3027 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:192
L:3031 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:192
L:3032 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:192 after pos.:0
L:3050 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:193
L:3054 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:193
L:3058 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:193
L:3062 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:193
L:3066 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:193
L:3067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:0
L:3085 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:194

VERIFICATION SUMMARY

DATE: 06/28/2005

PATENT APPLICATION: US/10/613,472A

TIME: 08:59:26

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\06282005\J613472A.raw

L:3089 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:194
L:3093 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:194
L:3094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194 after pos.:0
L:3112 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:195
L:3116 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:195
L:3120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:195
L:3121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:0
L:3138 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (197) SEQUENCE:
L:3193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:0
L:3208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203 after pos.:0
L:3226 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:204
L:3230 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:204
L:3231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:0
L:3259 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:206
L:3260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:0
L:3298 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:209
L:3299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:0
M:341 Repeated in SeqNo=209
L:3319 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:210
L:3320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210 after pos.:0
M:341 Repeated in SeqNo=210
L:3340 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:211
L:3344 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:211
L:3345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:211 after pos.:0
L:3363 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:212
L:3364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212 after pos.:0